Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

- (Original) A balloon catheter assembly comprising:
- a first tubular member having a proximal portion and a distal portion with a lumen extending between the proximal portion and the distal portion;
- a balloon having a proximal waist length, a distal waist length and an expandable region therebetween disposed about the distal portion; and
- a tie layer disposed between the proximal waist length or distal waist length and the first tubular member, wherein the tie layer comprises a polyester polymer and a polyamide polymer.
- (Original) The balloon catheter assembly according to claim 1, wherein the balloon is formed from an aromatic polyester.
- (Original) The balloon catheter assembly according to claim 1, wherein the balloon is formed from a polyethylene terephthalate.
- (Original) The balloon catheter assembly according to claim 1, wherein the tubular member is formed from a polyamide.
- (Original) The balloon catheter assembly according to claim 1, wherein the tubular member is formed from a polyether block amide.
- (Original) The balloon catheter assembly according to claim 1, wherein the tie layer further comprises a copolymer of polyester and polyamide.
- (Original) The balloon catheter assembly according to claim 1, wherein the tie layer comprises a polyester layer disposed on a polyamide layer, wherein the polyamide layer is disposed between the polyester layer and the first tubular member.

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- 8. (Original) The balloon catheter assembly according to claim 7, wherein the polyamide layer comprises a copolymer of polyester and polyamide.
- (Original) The balloon catheter assembly according to claim 7, wherein the
 polyester layer comprises a polybutylene terephthalate.
 - 10. (Original) A balloon catheter assembly comprising:
- a first polyamide tubular member having a proximal portion and a distal portion with a lumen extending between the proximal portion and the distal portion;
- a polyethylene terephthalate balloon having a proximal waist length, a distal waist length and an expandable region therebetween disposed about the distal portion; and
- a tie layer disposed between the proximal waist length or distal waist length and the first tubular member, wherein the tie layer comprises a polyester polymer and a polyamide polymer.
- (Original) The balloon catheter assembly according to claim 10, wherein the tie layer further comprises a copolymer of polyester and polyamide.
- 12. (Original) The balloon catheter assembly according to claim 10, wherein the tie layer comprises a polyester layer disposed on a polyamide layer, wherein the polyamide layer is disposed between the polyester layer and the first tubular member.
- (Original) The balloon catheter assembly according to claim 12, wherein the polyamide layer comprises a copolymer of polyester and polyamide.
- (Original) The balloon catheter assembly according to claim 12, wherein the polyester layer comprises a polybutylene terephthalate.

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15. (Previously Presented) A method for improved bonding between an expandable balloon and a catheter shaft, the method comprising the steps of:

providing a first polyamide tubular member having a proximal portion and a distal portion with a lumen extending between the proximal portion and the distal portion:

disposing a tie layer on the distal portion of the first polyamide tubular member, wherein the tie layer comprises a polyester polymer and a polyamide polymer; and

disposing a polyethylene terephthalate balloon having a proximal waist length, a distal waist length and an expandable region therebetween on the tie layer.

- (Previously Presented) The method according to claim 15, wherein disposing a tie layer comprises disposing a copolymer of polyester and polyamide layer.
- 17. (Previously Presented) The method according to claim 15, wherein disposing a tie layer comprises disposing a polyester layer disposed on a polyamide layer, wherein the polyamide layer is disposed between the polyester layer and the first tubular member.
- 18. (Previously Presented) The method according to claim 17, wherein disposing the polyamide layer comprises disposing a copolymer layer of polyester and polyamide.
- (Previously Presented) The method according to claim 17, wherein disposing the
 polyester layer comprises disposing a layer comprising polybutylene terephthalate.
- (Original) The method according to claim 15, further comprising applying heat to
 the distal or proximal waist portion effective to bond the waist portion to the tubular member.